

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

August 26, 2020

David Soule, PE
Rio Grande Engineering
1606 Central SE Suite 201
Albuquerque, NM 87106

**Re: Lot 4 Block 5 Unit 18 Volcano Cliffs SAD 228
6611 Papagayo NW
Request Permanent C.O. – Accepted
Engineer's Stamp dated: 9-19-18 Rev (D10D003K4)
Pad Certification dated: 9/19/18
Certificate of C.O. dated: 8/18/2020**

Dear Mr. Soule,

PO Box 1293

Based on the Certification received on 8/20/2020, the site is acceptable for release of Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

NM 87103

Sincerely,

www.cabq.gov

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6611 PAPAGAYO Building Permit #: _____ Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: lot 4 block 5 volcano cliffs unit 18

City Address: 6611 PAPAGAYO

Applicant: HINCHMAN Contact: _____

Address: 6611 PAPAGAYO

Phone#: _____ Fax#: _____ E-mail: _____

Other Contact: RIO GRANDE ENGINEERING Contact: DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: david@riograndeengineering.com

TYPE OF DEVELOPMENT: PLAT RESIDENCE DRB SITE ADMIN SITE

Check all that Apply:

DEPARTMENT:

HYDROLOGY/ DRAINAGE
 TRAFFIC/ TRANSPORTATION

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

BUILDING PERMIT APPROVAL
 CERTIFICATE OF OCCUPANCY
 PRELIMINARY PLAT APPROVAL
 SITE PLAN FOR SUB'D APPROVAL
 SITE PLAN FOR BLDG. PERMIT APPROVAL
 FINAL PLAT APPROVAL

TYPE OF SUBMITTAL:

ENGINEER/ARCHITECT CERTIFICATION
 PAD CERTIFICATION
 CONCEPTUAL G & D PLAN
 GRADING PLAN
 DRAINAGE REPORT
 DRAINAGE MASTER PLAN
 FLOODPLAIN DEVELOPMENT PERMIT APPLIC
 ELEVATION CERTIFICATE
 CLOMR/LOMR
 TRAFFIC CIRCULATION LAYOUT (TCL)
 TRAFFIC IMPACT STUDY (TIS)
 STREET LIGHT LAYOUT
 OTHER (SPECIFY) _____
 PRE-DESIGN MEETING?

SIA/ RELEASE OF FINANCIAL GUARANTEE
 FOUNDATION PERMIT APPROVAL
 GRADING PERMIT APPROVAL
 SO-19 APPROVAL
 PAVING PERMIT APPROVAL
 GRADING/ PAD CERTIFICATION
 WORK ORDER APPROVAL
 CLOMR/LOMR
 FLOODPLAIN DEVELOPMENT PERMIT
 OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: Yes No

DATE SUBMITTED: 8/18/20 By: _____

COA STAFF: _____

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				Weighted E (ac-ft)	Volume (ac-ft)	Flow (cfs)				
			A	B	C	D							
ALLOWED	21367.00	0.491	0%	0	20%	0.098	46%	0.2256	34%	0.167	1.259	0.051	1.58
PROPOSED	21367.00	0.491	0%	0	20%	0.098	49%	0.2404	31%	0.152	1.230	0.050	1.55
COMPARISON													-0.001

Equations:

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

Volume = Weighted D * Total Area

Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm- zone 1

$E_a = 0.44$	$Q_a = 1.29$
$E_b = 0.67$	$Q_b = 2.03$
$E_c = 0.99$	$Q_c = 2.87$
$E_d = 1.97$	$Q_d = 4.37$

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF)	188	PROVIDED (CF)	1159
FLOOD CONTROL	NA		1159

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway lot to east per the master drainage plan. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan exceeds the allowed impervious area therefore we are required to retain the coverage. This plan is in conformance to the master drainage plan

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 9/19/18



I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 9/19/18. The record information edited on the original design document has been performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by THOMAS PATRICK NMPS 12651. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose

CAUTION:

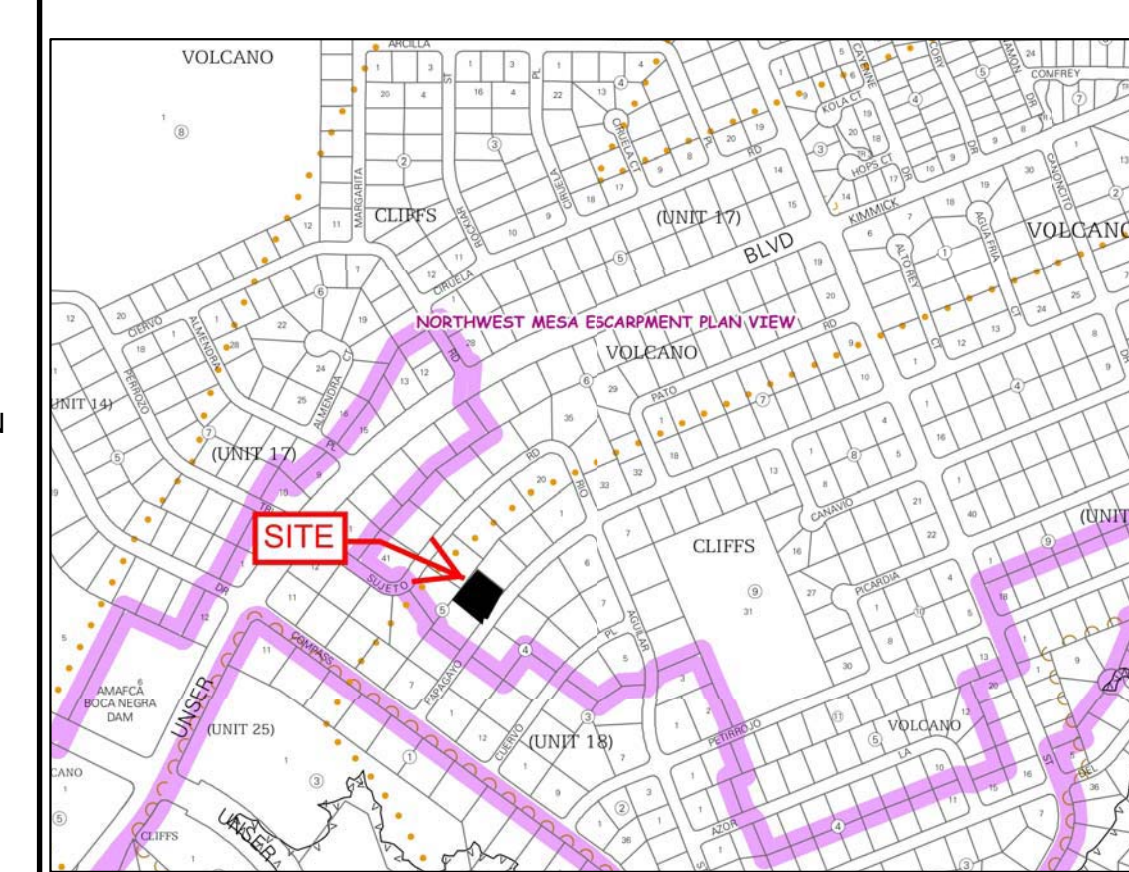
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



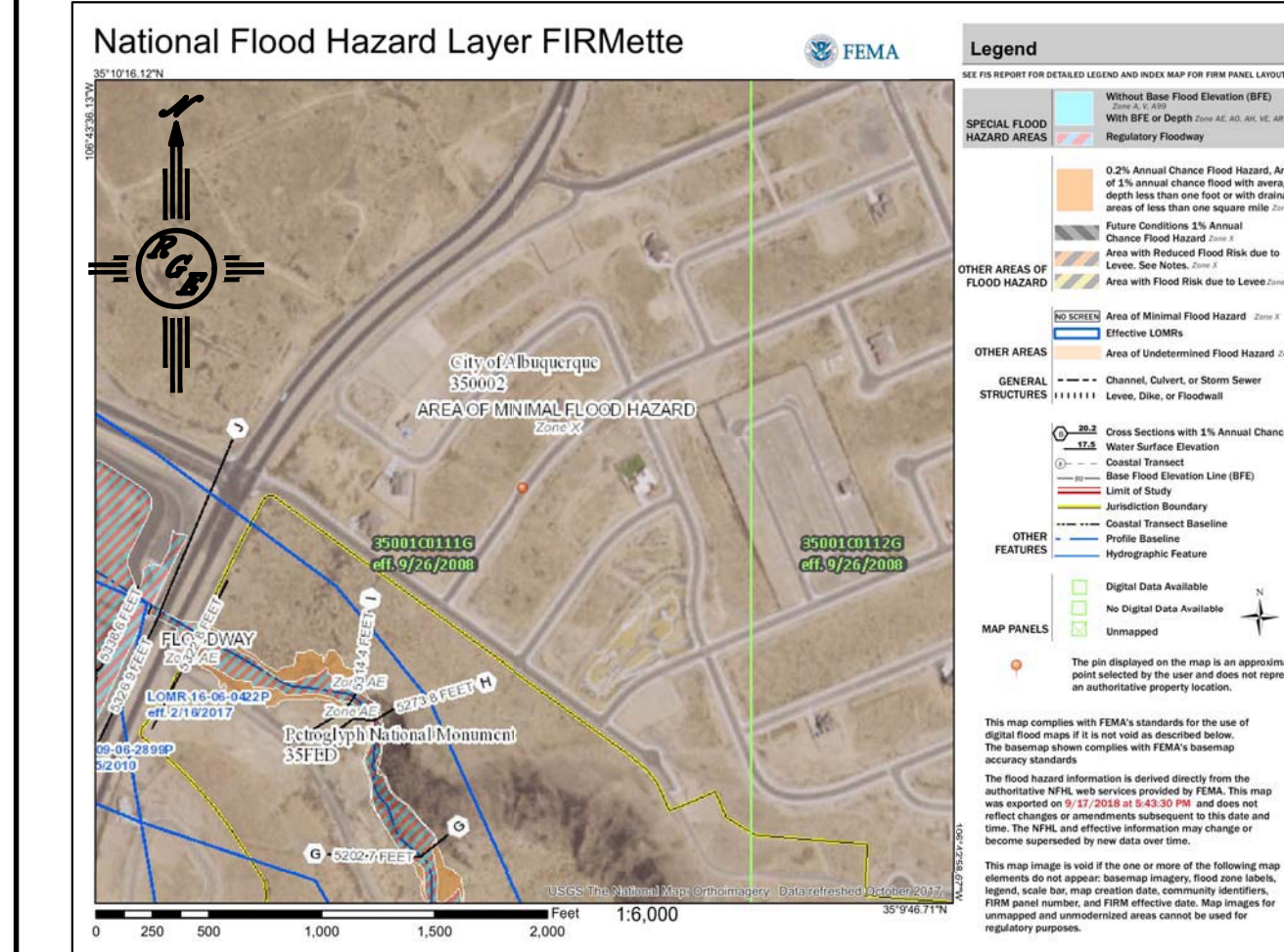
8/18/20

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: D-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

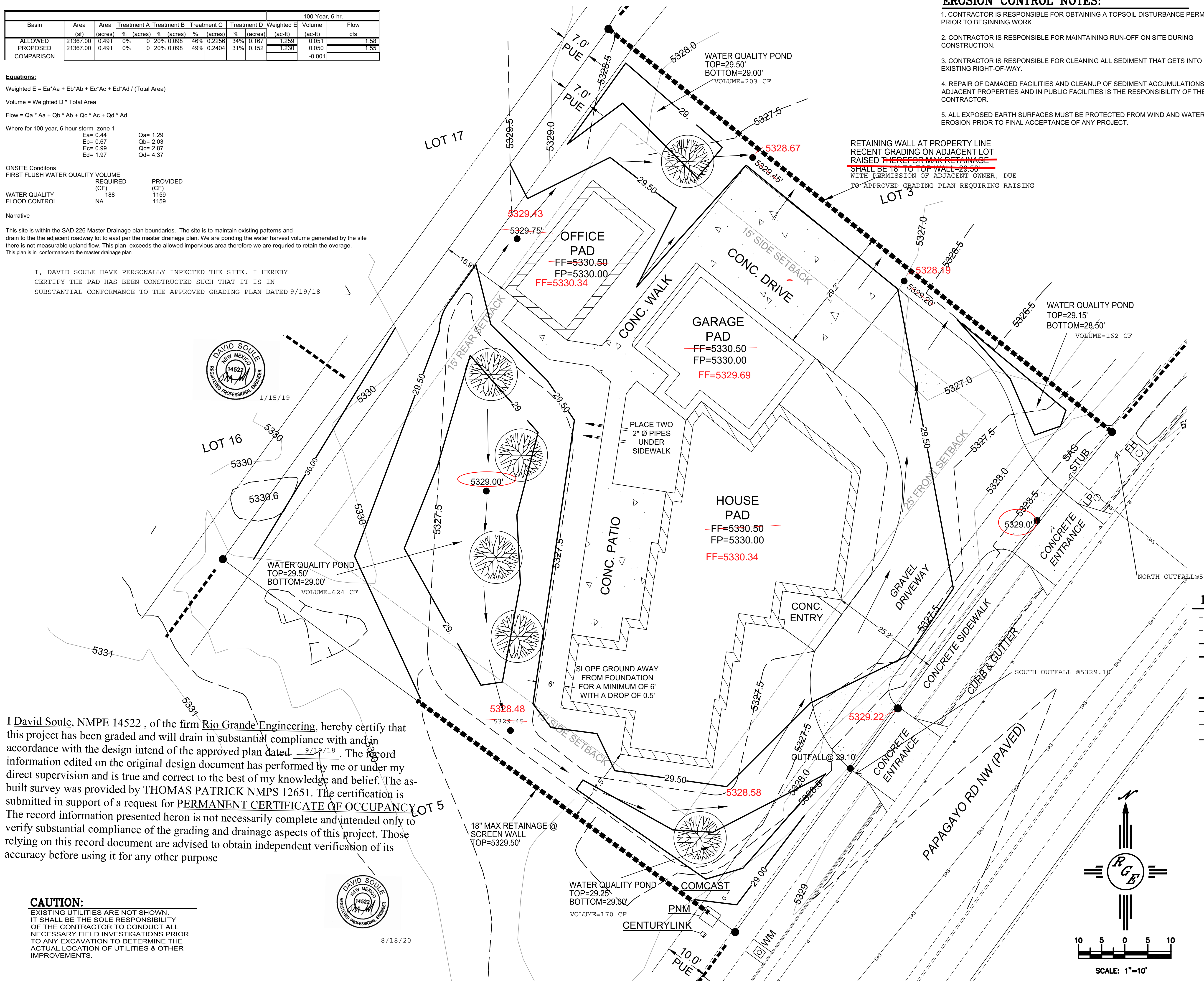
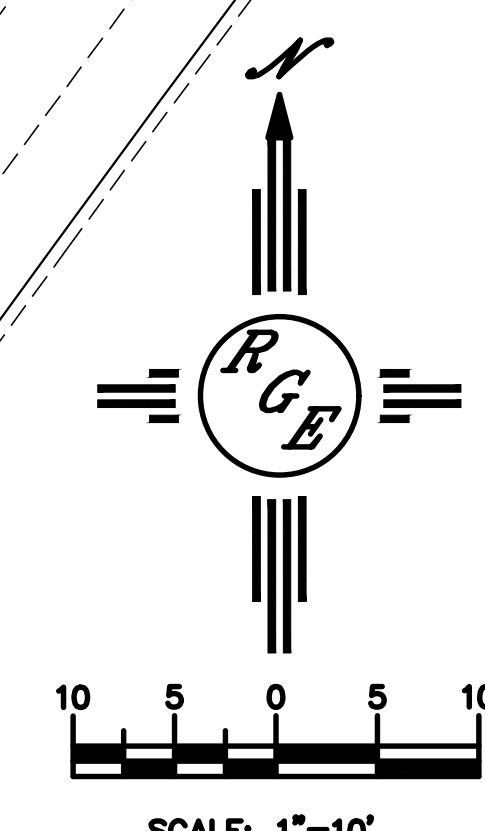
LOT 4, BLOCK 5, VOLCANO CLIFFS SUBDIVISION, UNIT 18 BERNALILLO COUNTY ALBUQUERQUE, NEW MEXICO

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.

LEGEND

- - - - - EXISTING CONTOUR
- - - - - EXISTING INDEX CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - PROPOSED INDEX CONTOUR
- + .XXXX EXISTING SPOT ELEVATION
- .XXXX PROPOSED SPOT ELEVATION
- - - - - BOUNDARY
- - - - - PROPOSED EARTHEN SWALE
- - - - - ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER



ENGINEER'S SEAL	6611 PAPAGAYO RD NW HINCHMAN RESIDENCE GRADING AND DRAINAGE PLAN 	DRAWN BY DEM
		DATE 9-18-18
DAVID SOULE P.E. #14522		HOMAS GAD PLAN 9-18-18 DWG
		SHEET # C1
		JOB #